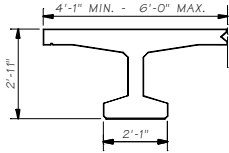
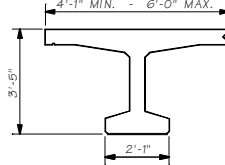
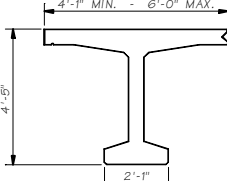
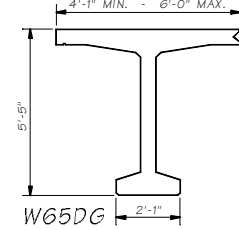
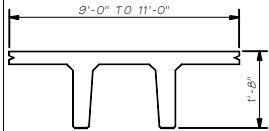
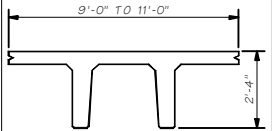
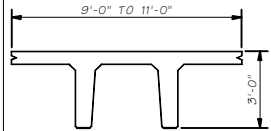
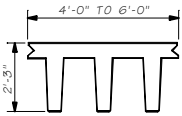

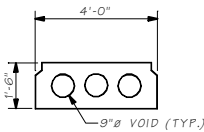
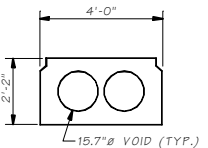
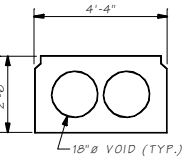
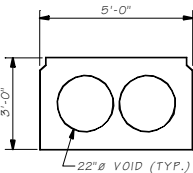



PRECAST PRESTRESSED SHORT SPAN AND DECK GIRDERS

Last revised on : 6/21/2011

5.6-A1-11

PRECAST PRESTRESSED SHORT SPAN AND DECK GIRDERS																																																																																																																							
GIRDER DEPTH	1'-0"	1'-6" TO 1'-8"	2'-2" TO 2'-4"	2'-6" TO 2'-11"	3'-0" TO 3'-5"	4'-5"	5'-5"																																																																																																																
DECK BULB TEES				 <u>W35DG</u> SPAN LENGTH = 90 FT.	 <u>W41DG</u> SPAN LENGTH = 105 FT.	 <u>W53DG</u> SPAN LENGTH = 125 FT.	 <u>W65DG</u> SPAN LENGTH = 145 FT.																																																																																																																
DOUBLE TEES		 <u>DOUBLE-TEE GIRDERS</u> SPAN LENGTH = 25 FT.	 <u>DOUBLE-TEE GIRDERS</u> SPAN LENGTH = 40 FT.		 <u>DOUBLE-TEE GIRDERS</u> SPAN LENGTH = 55 FT.																																																																																																																		
TRI-BEAM			 <u>RIBBED GIRDERS</u> SPAN LENGTH = 60 FT.			<p><u>NOTES:</u></p> <ol style="list-style-type: none">SPAN LENGTHS SHOWN ARE THE MAXIMUM FOR EACH TYPE OF GIRDER.5" CAST-IN-PLACE COMPOSITE SLAB SHALL BE PROVIDED FOR PRECAST SLABS.SPAN LENGTHS SHOWN ARE FOR NON-COMPOSITE DECKED MEMBERS WITH 3" HMA OVERLAY (EXCEPT SLABS).DECKED MEMBERS COULD BE DESIGNED AS COMPOSITE MEMBERS USING PG/SUPER PROGRAM IF A MINIMUM OF 5" CAST-IN-PLACE SLAB IS PROVIDED.THE CONCRETE COMPRESSIVE STRENGTHS FOR STANDARD DESIGNS ARE LIMITED TO 6.0 ksi AT TRANSFER AND 8.0 ksi AT FINAL.THE DESIGN IS BASED ON 0.6" DIAM. LOW RELAXATION PRESTRESSING STRANDS.																																																																																																																	
SLABS	 <u>12" DEEP SLAB</u> SPAN LENGTH = 33 FT.	 <u>18" DEEP SLAB</u> SPAN LENGTH = 50 FT.	 <u>26" DEEP SLAB</u> SPAN LENGTH = 72 FT.	 <u>30" DEEP SLAB</u> SPAN LENGTH = 83 FT.	 <u>36" DEEP SLAB</u> SPAN LENGTH = 100 FT.																																																																																																																		
<table><tr><td colspan="2">Bridge Design Engr.</td><td colspan="10">M:\STANDARDS\Girders\Design Charts\STD PC NON COMP DECK GIRDERS.MAN</td></tr><tr><td>Supervisor</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Designed By</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Checked By</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Detailed By</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Bridge Projects Engr.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Prelim. Plan By</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Architect/Specialist</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>DATE</td><td>REVISION</td><td>BY</td><td>APPD</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>												Bridge Design Engr.		M:\STANDARDS\Girders\Design Charts\STD PC NON COMP DECK GIRDERS.MAN										Supervisor												Designed By												Checked By												Detailed By												Bridge Projects Engr.												Prelim. Plan By												Architect/Specialist													DATE	REVISION	BY	APPD							
Bridge Design Engr.		M:\STANDARDS\Girders\Design Charts\STD PC NON COMP DECK GIRDERS.MAN																																																																																																																					
Supervisor																																																																																																																							
Designed By																																																																																																																							
Checked By																																																																																																																							
Detailed By																																																																																																																							
Bridge Projects Engr.																																																																																																																							
Prelim. Plan By																																																																																																																							
Architect/Specialist																																																																																																																							
	DATE	REVISION	BY	APPD																																																																																																																			
BRIDGE AND STRUCTURES OFFICE					 Washington State Department of Transportation			STANDARD PRESTRESSED CONCRETE GIRDERS			BRIDGE SHEET NO.																																																																																																												
								DECKED GIRDER SECTIONS			SHEET OF SHEETS																																																																																																												